COLLEGE:GOVERNMENT COLLEGE OF ENGINEERING,THANJAVUR

ASSIGNMENT 3:SOLUTION:

TRAFFIC LIGHT CODE:

```python
from time import sleep
while(True):
    sleep(10)#for red light delay
    print("Red is on")
    sleep(8)#for Yellow light delay
    print("Yellow is on")
    sleep(15)#for Green light delay
    print("Green is on")
```

OUTPUT:

```
1   from time import sleep
2 ▾ while(True):
3       sleep(10)#for red light delay
4       print("Red is on")
5       sleep(8)#for Yellow light delay
6       print("Yellow is on")
7       sleep(15)#for Green light delay
8       print("Green is on")
9
```

```
Red is on
Yellow is on
Green is on
Red is on
Yellow is on
Green is on
Red is on
Yellow is on
Green is on
Red is on
Yellow is on
Green is on
Red is on
Yellow is on
Green is on
Red is on
Yellow is on
```

BLINKING LED CODE:

main.py	[ ]	G	Run	Shell

```
1   import random
2   from time import sleep
3 ▾ while(True):
4       sleep(2)
5       a=random.choice(["ON","OFF"])
6       print(a)
```

```
ON
OFF
OFF
OFF
ON
ON
OFF
OFF
ON
ON
OFF
ON
OFF
ON
OFF
ON
OFF
OFF
ON
ON
OFF
```